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PATENT APPLICATION
Attorney Docket No. 19705-001 (AMC-1)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS : Grasso, *et al.*

ASSIGNEE : Albany Medical College

SERIAL NUMBER : 09/377,081

EXAMINER : Christine J. Saoud, Ph.D.

FILING DATE : August 19, 1999

ART UNIT : 1647

FOR : LEPTIN-RELATED PEPTIDES

Assistant Commissioner for Patents
Washington, D.C. 20231

AMENDMENT

TECH CENTER 1600/2800

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Please make the following amendments prior to examining the application:

In the claims:

1. (Amended) A purified leptin peptide, and fragment, homologs, analogs and derivatives thereof, wherein the peptide has the following characteristics:

- (a) it is a substantially homogenous preparation; and
- (b) it has at least 70% homology to any one of the sequences set forth in SEQ ID NOS: 2-[16] 10 and 18, wherein
- (c) the leptin peptide modulates body mass.

4. (Amended) A leptin peptide having the amino acid sequence

Xaa_n-Ser-Cys-Xaa₁-Leu-Pro-Xaa₂-Xaa₃-Xaa_n, wherein:

- (a) either Xaa_n may be [0] zero or a contiguous stretch of at most seven peptide residues derived from SEQ ID NOS: 1 or 17; and
- (b) Xaa₁, Xaa₂ and Xaa₃ may be any amino acid substitution.

6. (Amended) The leptin peptide of claim 4, wherein:

- (a) Xaa₁ may be selected from the group consisting of His or Ser;
- (b) Xaa₂ may be selected from the group consisting of Trp or Gln; [and]